

Programmable Electrical Pulse Generator < EPG >

user's manual



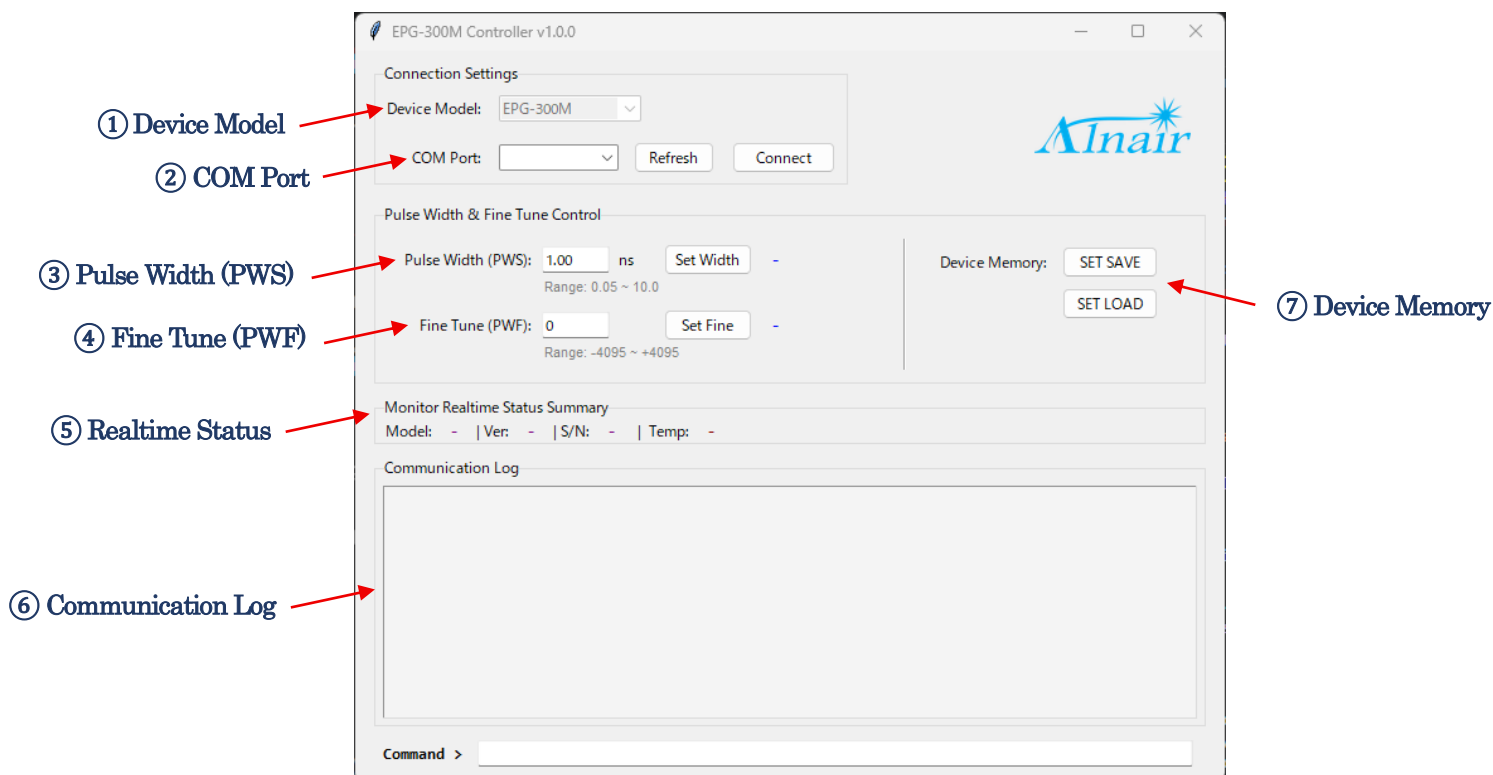
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1. UI Component & Function Mapping



① Device Model	Selects or displays the connected hardware model.
② COM Port	Lists available ports; click [Refresh] to rescan or [Connect] to link.
③ Pulse Width (PWS)	Sets the electrical pulse width; click [Set Width] to apply.
④ Fine Tune (PWF)	Adjusts pulse shape fine-tuning; click [Set Fine] to apply.
⑤ Realtime Status	Displays polled hardware summary (Model, Ver, S/N, and Temp).
⑥ Communication Log	Displays command traffic (TX: Sent / RX: Received); press Enter to send manual commands.
⑦ Device Memory	Controls internal parameters: SET SAVE: Permanently saves current parameters as boot defaults. SET LOAD: Reloads previously saved parameters to overwrite the interface.

2. Standard Operation Procedures

2.1 Startup and Connection Procedures

1. Connect the device to your PC via the USB cable.
2. Launch the software application.
3. Click [Refresh] to update the port list, then select the correct active port from the COM Port dropdown menu.
4. Click [Connect] to establish communication.
5. Verify that the control entries unlock and the Realtime Status summary updates automatically.

2.2 Adjusting Pulse Width (PWS) & Fine Tune (PWF)

1. To Set Pulse Width: Enter the value in the Pulse Width (PWS) box and click [Set Width] to apply.
2. To Set Fine Tune: Enter the index value in the Fine Tune (PWF) box and click [Set Fine] to apply.
3. Verify the changes via the blue readback status text on the right.

2.3 Saving and Loading Device Parameters

1. To Save Parameters: Click [SET SAVE] to permanently store current PWS and PWF parameters as initial boot defaults.
2. To Load Parameters: Click [SET LOAD] to retrieve previously saved parameters and overwrite the current interface values.

2.4 Shutting Down and Disconnection Procedures

1. Click [Disconnect] to safely terminate the active serial communication session.
2. Close the software application.
3. Disconnect the physical USB cable from your PC.